

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/6/2,468
Source:	OIPE.
Date Processed by STIC:	1/29/2003
•	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry directly to:
 - U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



DATE: 07/29/2003

OIPE

```
PATENT APPLICATION: US/10/612,468
                                                                  TIME: 13:35:30
                       Input Set : A:\EP.txt
                       Output Set: N:\CRF4\07292003\J612468.raw
      3 <110> APPLICANT: Zhang, Jingwu Z.
               Ho, Walter Kowk Keung
      4
      5
               Zhang, Dongqing
               Sun, Wei
W--> 7 <120> TITLE OF INVENTION: T Cell Receptor CDR3 Sequence and Methods for Detecting and
Treating
W --> 8
               Rheumatoid Arthritis
W--> 9 <130> FILE REFERENCE: 057186.000003
W--> 10 <140> CURRENT APPLICATION NUMBER:
                                                  -> <1507 = unsert this mandatory numeric identifier and its response wherever <1517

Does Now Comply for a Corrected Diskette Needed response mal 2
C--> 11 <141> CURRENT FILING DATE: 2003-07-02
W--> 11 <151> PRIOR FILING DATE: 2002-07-02
W--> 12 <160> NUMBER OF SEQ ID: 168
ERRORED SEQUENCES
     775 <210> SEQ ID NO: 66
     776 <211> LENGTH: (21) 19 Shown below
     777 <212> TYPE: DNA
     778 <213> ORGANISM: Artificial
®←> 779 <220> FEATURE:
     780 <221> NAME/KEY: primer bind
     781 <223> OTHER INFORMATION: FAM (expand)-labeled BJ primer used for run-off reactions
VCK-> 782 <400> SEQUENCE: 66
E--> 784 ggagagtcga gttccatca
                                                           19
     1416 <210> SEQ ID NO: 114
     1417 <211> LENGTH: 63
     1418 <212> TYPE: DNA
     1419 <213> ORGANISM: Artificial
W--> 1420 <220> FEATURE:
W--> 1421 <221> NAME/KEY:
     1422 <223> OTHER INFORMATION: CDR3 nucleic acid sequence of BV14 clonotype derived from
ST specimen of
     1423
                 RA patients
-> 1424 <400> SEQUENCE: 114
     1426 tacttctgtg ccagcagtcc cacgcgggac aggggaaata atgagcagtt cttcgggcca
E--> 1427 gga
     1445 <210> SEQ ID NO: 116
     1446 <211> LENGTH: 63
     1447 <212> TYPE: DNA
     1448 <213> ORGANISM: Artificial
W--> 1449 <220> FEATURE:
W--> 1450 <221> NAME/KEY:
     1451 <223> OTHER INFORMATION: CDR3 nucleic acid sequence of BV14 clonotype derived from
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RAW SEQUENCE LISTING

ST specimen of 1452 RA patients

RAW SEQUENCE LISTING

DATE: 07/29/2003

PATENT APPLICATION: US/10/612,468

TIME: 13:35:30

Input Set : A:\EP.txt

Output Set: N:\CRF4\07292003\J612468.raw

W--> 1453 <400> SEQUENCE: 116

1455 tacttetqtg ceageagtte cecaatageg gggageteca atgageagtt ettegggeea 60

636 insert

E--> 1456 gga

1473 <210> SEQ ID NO: 118

1474 <211> LENGTH: 63

1475 <212> TYPE: DNA

1476 <213> ORGANISM: Artificial

W--> 1477 <220> FEATURE:

W--> 1478 <221> NAME/KEY:

1479 <223> OTHER INFORMATION: CDR3 nucleic acid sequence of BV14 clonotype derived from

ST specimen of

1480 RA patients

W--> 1481 <400> SEQUENCE: 118

1483 tacttctqtq ccaqcaqttt ctqqqcccct acggacaata atgagcagtt cttcqgqcca

60 (31- insert

E--> 1484 gga

1529 <210> SEQ ID NO: 122

1530 <211> LENGTH: 63

1531 <212> TYPE: DNA

1532 <213> ORGANISM: Artificial

W--> 1533 <220> FEATURE:

W--> 1534 <221> NAME/KEY:

1535 <223> OTHER INFORMATION: CDR3 nucleic acid sequence of BV14 clonotype derived from

ST specimen of

1536 RA patients

W--> 1537 <400> SEQUENCE: 122

1539 tacttctgtg ccagcagccc tagggagggc ctcctcaata atgagcagtt cttcgggcca 60 •

634- insert

E--> 1540 gga

1888 <210> SEQ ID NO: 148

1889 <211> LENGTH: 61

1890 <212> TYPE: DNA

1891 <213> ORGANISM: Artificial

W--> 1892 <220> FEATURE:

W--> 1893 <221> NAME/KEY:

1894 <223> OTHER INFORMATION: CDR3 nucleic acid sequence of BV14 clonotype derived from

ST specimen of

E--> 1899 c

1895 RA patients

W--> 1896 <400> SEQUENCE: 148

1898 tacttctgtg ccagcagtcc ccgactagcg ggagataaag gagcagtact tcgggccggg 60

116 insert

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/29/2003 PATENT APPLICATION: US/10/612,468 TIME: 13:35:31

Input Set : A:\EP.txt

Output Set: N:\CRF4\07292003\J612468.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

```
Seq#:1; Line(s) 21
Seq#:3; Line(s) 44
Seq#:4; Line(s) 58
Seq#:75; Line(s) 881
Seq#:77; Line(s) 910
Seq#:79; Line(s) 939
Seq#:81; Line(s) 967
Seq#:83; Line(s) 997
Seq#:85; Line(s) 1025
Seq#:87; Line(s) 1052
Seq#:89; Line(s) 1079
Seq#:91; Line(s) 1106
Seq#:93; Line(s) 1133
Seq#:95; Line(s) 1160
Seq#:97; Line(s) 1187
Seq#:99; Line(s) 1214
Seq#:101; Line(s) 1241
Seq#:103; Line(s) 1268
Seq#:105; Line(s) 1295
Seq#:107; Line(s) 1323
Seq#:109; Line(s) 1351
Seq#:111; Line(s) 1378
Seq#:113; Line(s) 1406
Seq#:115; Line(s) 1436
Seq#:117; Line(s) 1464
Seq#:119; Line(s) 1492
Seq#:121; Line(s) 1520
Seq#:123; Line(s) 1549
Seq#:125; Line(s) 1577
Seq#:127; Line(s) 1605
Seq#:129; Line(s) 1632
Seq#:131; Line(s) 1659
Seq#:133; Line(s) 1686
Seq#:135; Line(s) 1713
Seq#:137; Line(s) 1740
Seq#:139; Line(s) 1767
Seq#:141; Line(s) 1795
Seq#:143; Line(s) 1822
Seq#:145; Line(s) 1851
Seq#:147; Line(s) 1879
Seq#:149; Line(s) 1908
Seq#:151; Line(s) 1936
Seq#:153; Line(s) 1964
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/29/2003 PATENT APPLICATION: US/10/612,468 TIME: 13:35:31

Input Set : A:\EP.txt

Output Set: N:\CRF4\07292003\J612468.raw

Seq#:155; Line(s) 1992 Seq#:157; Line(s) 2020 Seq#:159; Line(s) 2047 Seq#:161; Line(s) 2075 Seq#:163; Line(s) 2103 Seq#:165; Line(s) 2131 Seq#:167; Line(s) 2159

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31 Seq#:32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55 Seq#:56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,76,78,80,82,84 Seq#:86,88,90,92,94,96,98,100,102,104,106,108,110,112,114,116,118,120,122,124 Seq#:126,128,130,132,134,136,138,140,142,144,146,148,150,152,154,156,158,160 Seq#:162,164,166,168

VERIFICATION SUMMARYPATENT APPLICATION: **US/10/612,468**DATE: 07/29/2003 TIME: 13:35:31

Input Set : A:\EP.txt

Output Set: N:\CRF4\07292003\J612468.raw

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L:7 M:283 W: Missing Blank Line separator, <120> field identifier
L:9 M:283 W: Missing Blank Line separator, <130> field identifier
L:10 M:283 W: Missing Blank Line separator, <140> field identifier
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:11 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP NO
L:12 M:283 W: Missing Blank Line separator, <160> field identifier
L:18 M:283 W: Missing Blank Line separator, <220> field identifier
L:19 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:22 M:283 W: Missing Blank Line separator, <400> field identifier
L:30 M:283 W: Missing Blank Line separator, <220> field identifier
L:31 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:34 M:283 W: Missing Blank Line separator, <400> field identifier L:42 M:283 W: Missing Blank Line separator, <220> field identifier
L:46 M:283 W: Missing Blank Line separator, <400> field identifier
L:56 M:283 W: Missing Blank Line separator, <220> field identifier
L:60 M:283 W: Missing Blank Line separator, <400> field identifier
L:69 M:283 W: Missing Blank Line separator, <220> field identifier
L:70 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:73 M:283 W: Missing Blank Line separator, <400> field identifier
L:82 M:283 W: Missing Blank Line separator, <220> field identifier
L:86 M:283 W: Missing Blank Line separator, <400> field identifier
L:109 M:283 W: Missing Blank Line separator, <220> field identifier
L:113 M:283 W: Missing Blank Line separator, <400> field identifier
L:137 M:283 W: Missing Blank Line separator, <220> field identifier
L:140 M:283 W: Missing Blank Line separator, <400> field identifier
L:148 M:283 W: Missing Blank Line separator, <220> field identifier
L:151 M:283 W: Missing Blank Line separator, <400> field identifier
L:159 M:283 W: Missing Blank Line separator, <220> field identifier
L:162 M:283 W: Missing Blank Line separator, <400> field identifier
L:170 M:283 W: Missing Blank Line separator, <220> field identifier
L:173 M:283 W: Missing Blank Line separator, <400> field identifier
L:181 M:283 W: Missing Blank Line separator, <220> field identifier
L:184 M:283 W: Missing Blank Line separator, <400> field identifier
L:192 M:283 W: Missing Blank Line separator, <220> field identifier
L:195 M:283 W: Missing Blank Line separator, <400> field identifier
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L:206 M:283 W: Missing Blank Line separator, <400> field identifier
L:215 M:283 W: Missing Blank Line separator, <220> field identifier L:218 M:283 W: Missing Blank Line separator, <400> field identifier
L:226 M:283 W: Missing Blank Line separator, <220> field identifier
L:229 M:283 W: Missing Blank Line separator, <400> field identifier
L:237 M:283 W: Missing Blank Line separator, <220> field identifier
L:240 M:283 W: Missing Blank Line separator, <400> field identifier
L:248 M:283 W: Missing Blank Line separator, <220> field identifier
L:251 M:283 W: Missing Blank Line separator, <400> field identifier
L:259 M:283 W: Missing Blank Line separator, <220> field identifier
L:262 M:283 W: Missing Blank Line separator, <400> field identifier
L:270 M:283 W: Missing Blank Line separator, <220> field identifier
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VERIFICATION SUMMARY DATE: 07/29/2003 PATENT APPLICATION: US/10/612,468 TIME: 13:35:31

Input Set : A:\EP.txt

Output Set: N:\CRF4\07292003\J612468.raw

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L:273 M:283 W: Missing Blank Line separator, <400> field identifier
L:281 M:283 W: Missing Blank Line separator, <220> field identifier
L:284 M:283 W: Missing Blank Line separator, <400> field identifier
L:292 M:283 W: Missing Blank Line separator, <220> field identifier L:295 M:283 W: Missing Blank Line separator, <400> field identifier
L:303 M:283 W: Missing Blank Line separator, <220> field identifier
L:306 M:283 W: Missing Blank Line separator, <400> field identifier
L:784 M:252 E: No. of Seq. differs, <211> LENGTH:Input:21 Found:19 SEO:66
L:896 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:76
L:925 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:78
L:953 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:80
L:982 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:82
L:1011 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:84
L:1039 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:86
L:1066 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:88
L:1093 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:90
L:1120 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:92
L:1147 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:94
L:1174 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:96
L:1201 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:98
L:1228 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:100
L:1254 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:102
L:1282 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:104
L:1310 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:106
L:1338 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:108
L:1365 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:110
L:1392 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:112
L:1421 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:114 L:1427 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:63 SEQ:114
L:1450 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:116
L:1456 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:63 SEQ:116-
L:1478 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:118
L:1484 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:63 SEQ:118 %
L:1507 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:120
L:1534 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:122
L:1540 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:63 SEQ:122.
L:1563 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:124 L:1591 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:126 L:1619 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:128
L:1646 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:130
L:1673 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:132
L:1700 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:134
L:1727 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:136
L:1754 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:138
L:1781 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:140 L:1809 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:142 L:1837 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:144
L:1865 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:146
L:1893 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:148
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/612,468

DATE: 07/29/2003 TIME: 13:35:31

Input Set : A:\EP.txt

Output Set: N:\CRF4\07292003\J612468.raw

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L:1899 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:61 SEQ:148 (
L:1923 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:150
L:1950 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:152
L:1978 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:154
L:2007 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:156
L:2034 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:158
L:2061 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:160
L:2089 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:162
L:2117 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:164
L:2145 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:166
L:2173 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:168
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